



COMPANY HIGHLIGHTS

- **Diverse commercial product portfolio, robust product pipeline:** The company markets 8 industrial enzymes that serve attractive, high-growth segments of the \$3 billion global industrial enzyme market. We have developed several additional enzyme products that are in the regulatory process or final stage of development prior to commercialization.
- **Proven, proprietary technology** that enables the rapid discovery and evolution of unique and tailored enzymes optimized for performance in challenging industrial environments that can be manufactured at scale — giving Verenium's products a distinct, competitive advantage.
- **Unique genetic library for enzyme discovery** — the largest collection in the world.
- **Global partnerships** with blue chip companies such as Cargill and DuPont.

VERENIUM IS WORKING TO TRANSFORM INDUSTRIES AND PIONEER 21ST CENTURY BIOSCIENCE

Verenium taps the vast genetic reservoir of bacteria and fungi — nature's most abundant resource — to create high performance industrial enzyme solutions. Through the use of proprietary and patented technologies, Verenium evolves bacterial and fungal DNA to create enzymes that transform industrial processes. Our R&D organization is considered an industry pioneer and our products set the standard for superior performance in the marketplace.

ABOUT THE COMPANY

Renowned for our capabilities in the rapid screening, identification, evolution and expression of enzymes, Verenium has pioneered the development of high-performance enzymes for use in industrial processes. We possess the world's broadest genetic library for enzyme discovery, discovered in the earth's most biodiverse environments. Our world class R&D organization then customizes the enzymes — enabling higher throughput, improved product quality, lower total processing costs and reduced environmental impact.

BIOPROSPECTING: TAPPING INTO THE WORLD'S RESOURCES

In the quest to discover novel products, Verenium has pioneered the field of "bioprospecting." The company has prospected in a wide variety of extreme ecosystems, such as volcanoes, rain forests and deep sea hydrothermal vents, to collect small samples of microbes that are the first step toward the development of novel enzymes. Because the harsh temperatures and pH conditions in which these "extremophiles" live often mimic conditions found in today's industrial processes, the microbes found there represent a valuable source of potential products.



ROBUST PLATFORM: DIRECTEVOLUTION® TECHNOLOGY

Using proprietary and patented genomic technologies, Verenium extracts microbial DNA directly from collected samples to avoid the slow and often impossible task of growing microbes in the laboratory. We then mine this huge collection of microbial genes, numbering in the billions, using high-throughput screening technologies designed to identify unique enzymes that become product candidates. These are then optimized for commercial use through Verenium's patented DirectEvolution® technology. By combining discovery with laboratory evolution technologies, Verenium has successfully commercialized and developed a robust collection of enzyme products that can best meet the specific needs of companies in various markets, including animal health and nutrition, grain processing, oilfield services and other speciality industrial processes.

THE POWER OF ENZYMES

More than ever, corporate citizenship and social responsibility have moved a growing number of organizations to develop 'greener' processes and products. Increasingly fierce global competition encourages industry leaders to seek greater process efficiency and performance. Industries, such as those that produce next generation industrial products, are looking to improve process economics in an environmentally sustainable way.

Verenium has assembled all the pieces — cutting-edge R&D, the world's largest library of raw enzyme material, advanced discovery and evolution technologies — to create eco-sensitive, enzymatic bioprocesses that both replace inefficient, often harsh chemical processes and reduce costs at the same time. Enzymes are the not just the future of industry, they are transforming industries and responding to market demands today.

KEY PARTNERS



PRODUCTS	TARGET END MARKET
Phyzyme® XP Phytase	Animal Health & Nutrition
Fuelzyme® Alpha-amylase	Grain Processing – Fuel Ethanol
Deltazym® GA L-E5 Glucoamylase	Grain Processing – Fuel Ethanol
Xylathin® Xylanase	Grain Processing – Fuel Ethanol
Pyrolase® Cellulase	Oilfield Services – Hydraulic Fracturing
Eradicake™ Alpha-amylase	Oilfield Services – Mudcake Removal
Luminase® PB-100 Xylanase	Industrial Processes – Pulp & Paper
Cottonase® Pectate lyase	Industrial Processes – Textile Processing

COMPANY HIGHLIGHTS CONTINUED

CORPORATE HEADQUARTERS

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FINANCIAL HIGHLIGHTS

NASDAQ Stock Symbol: VRNM
Shares Outstanding (as of 9/30): 12,765,000
LTM Revenue (as of 9/30): \$58M
Cash and Cash Equivalents (as of 9/30): \$18M
(incl. \$4M restricted)

MANAGEMENT

James Levine
President & Chief Executive Officer
Janet Roemer
EVP & Chief Operating Officer
Jeff Black
SVP & Chief Financial Officer
Alex Fitzpatrick
SVP, General Counsel & Secretary

CONTACT

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